

FUEL ADDITIVE FOR BITUMEN HEAVY OIL O/W EMULSION FUEL

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Abstract of JP2002038169

PROBLEM TO BE SOLVED: To obtain a fuel additive for a bitumen O/W emulsion fuel capable of contributing to improve dispersion stability without destroying the O/W emulsion even though in a high amount of addition to the bitumen O/W fuel and preventing high/low temperature corrosions and combustion disorders of a boiler and the like and making the operation of the boiler and the like stable for a long time and provide a method for combusting the same. **SOLUTION:** This fuel additive consists of (1) 30-60 wt.% of magnesium hydroxide having 0.1-10 μ m particle size, (2) 0.1-1 wt.% of a carboxylic acid and/or its salt, (3) 0-1 wt.% of a dispersant comprising one or more species of Li, Na, K or NH₄ salts of phosphoric acid, polyphosphoric acid, silicic acid, carbonic acid, sulfuric acid, boric acid and hydrochloric acid, (4) 0-0.5 wt.% of an 8-22C unsaturated fatty acid and (5) the rest % of water.

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